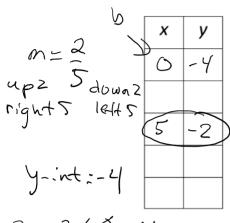
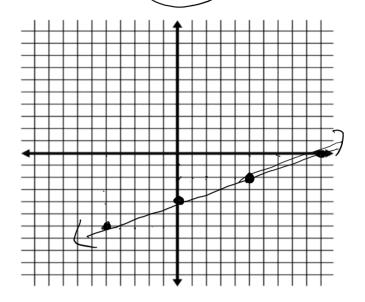
Slope Intercept form

Friday, February 12, 2016 10:11 AM

Date:	
4.5 The Slope Intercept Form of the Line	
Cough the following equation and determine the class of the line $(y = 3)$	+ 3
Graph the following equation and determine the slope of the line. $y = -2x + 3$	
9=-2×+3 x y	
= 3 + 6 = 3	
2(1)+3	
y = -2(1)+3 $= -2+3$	
=-2+3	
y = -2(z) + 3 y = -4 + 3 = -1	
)=-4+3=-1	
This gives us the slope-intercept form	
of the equation.	
y-intercept (0,y) y=mx+b< where your line crosse	es the y-axi
Slope=rise run	
Example 1: Graph and find the slope	(
of the equation: \bigcirc -2	
$y = \frac{3}{4}x - 2$ $m = \frac{3}{4}$ $y = -2$ $y = -2$	
$m = 3$ 8 $\frac{1}{7}$	
$m = \frac{3}{6}$	
9 -4 -5	
y-in-t = -2	
$y = \frac{3}{3}(4) - 2$ $y = \frac{3}{3}(3) - 2$	
\mathcal{Y}	

Example 2: Graph and find the slope of the equation: $y = \frac{2}{5}x - 4$



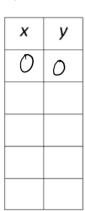


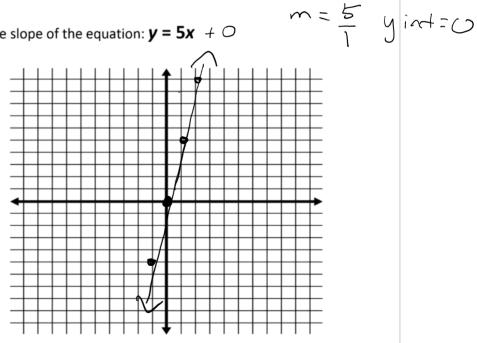
$$-2 = \frac{2}{8}(8) - 4$$

$$-2 = 2 - 4$$

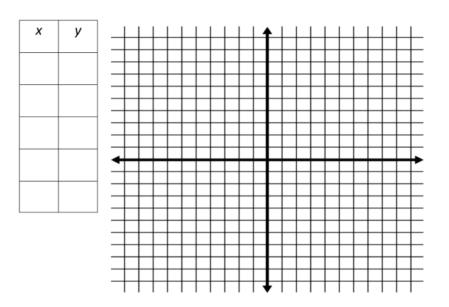
$$-2 = -2$$

Example 3: Graph and find the slope of the equation: y = 5x + 0

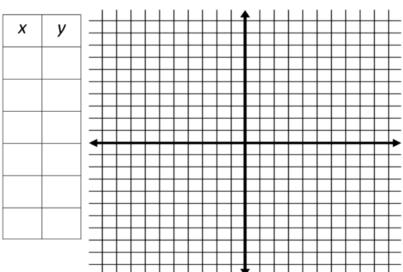




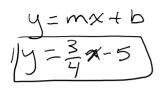
Example 4: Graph and find the slope of the equation: y = -x + 4



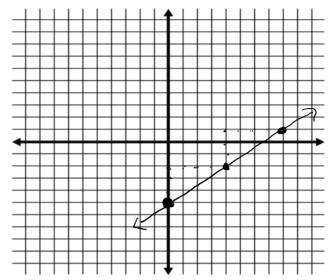
Example 5: Graph and find the slope of the equation: y = -3x + 1



Example 6: Write and graph the equation of a line with a slope of $\frac{3}{4}$ and y-intercept of $\frac{3}{4}$.



3-)4P 4->right



Worksheet: Graphing Slope-Intercept

Due Friday

Bring graph paper for Friday.